20 mm Aluminium Frame

This new Aluminium Frame for the hansen Luminous Panels is the slim alternative to our 30 mm Magnetic Frame. Like the Luminous Panel, the frame is custom-made in-house. With a short delivery time of only 5 to 10 days it represents a cost-efficient alternative particularly in large sizes.

The motif can be exchanged as desired, and the following mounting options are available:

- Wall mounting with mounting profile
- Suspended mounting from ceiling with Reutlinger cable holder system
- Suspended mounting in shop window with Reutlinger cable holder system

The frame can be combined with Luminous Panels of all power classes. The 20 mm Aluminium Frame is suitable for indoor use only. The frame is available with a maximum overall width of 3,000 mm and a maximum overall height of 1,500 mm (however, the sum of height + width must not exceed 3,500 mm).

Please contact our sales team for further advice.

30 mm Magnetic Frame

The Magnetic Frame fits all hansen Luminous Panels. The frame and the acrylic glass protect the motif, which is attractively illuminated by the Luminous Panel.

The frame can be combined with our 12V or 24V Luminous Panels, which can be illuminated from one, two or four sides with Standard PLUS LEDs spaced at 15 mm intervals. Other LED types and spacings are available on request. The Magnetic Frame is suitable for indoor use only.

Frame sizes from 200 x 200 mm to 1,100 x 2,400 mm allow a variety of individual designs. Customized solutions are possible as well.
Luminous Panel

The Hansen Luminous Panel is a very flat, large-surface luminaire for built-in purposes. The Basic and Eco versions are suitable for both indoor and outdoor installation, whereas the Slim and Power versions are suitable for indoor use only.

Typical applications

- Lighting element for walls and ceilings
- Glare-free wall luminaires for kitchens and bathrooms
- Illumination of decorative glass elements
- Backlighting of artificial stones, acrylic or textiles
- Illumination of flat tops, shelves
- Light for traffic signs, pictograms, directions signs
- Double-sided illumination of signs and boxes

Recessed luminaires in 600 x 625 mm grid cells

Advantages at a glance

- Custom dimensions: The Luminous Panel is made to customer specification only. Additional features (e.g. round or oval shapes, rounded corners, cut-outs etc.) are possible as well.
- Extremely thin: The panel has an overall depth of only 8 mm in the Slim version, 11 mm in the Basic and Eco version, and 13 mm in the Power version.
- Compactable: The brightness or colour temperature of the Luminous Panel can be harmoniously dimmed with our innovative remote controls. RGB or RGBW control is also possible.
- Low energy consumption: Thanks to modern LED technology, the Luminous Panel has a very low power consumption of 25 watts per square metre, i.e. a Luminous Panel of 2 m² would have the same energy consumption of a small candle-type incandescent light bulb.
- Different colour temperatures: The Luminous Panel can be supplied with warm (2,700 K, 3,000 K), daylight-like (4,000 K, 5,000 K) or cool white light (6,500 K).
- Reflecting rear panel: can be supplied without reflecting rear panel.
- Available for both indoor and outdoor use.
- Available with 3 mm opal cover.
- Available without rear panel.
- Available with 5 mm opal cover.
- Available with 5 mm opal cover.
- Available without rear panel.
- Available with 5 mm opal cover.
- Available without rear panel.

Technical data for 1 m, illuminated from two sides

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. width</th>
<th>Max. height</th>
<th>Overall depth (thickness)</th>
<th>Wattage (25 W/m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slim</td>
<td>2,000 mm</td>
<td>1,500 mm</td>
<td>8 mm</td>
<td>13 mm</td>
</tr>
<tr>
<td>Basic / Eco</td>
<td>2,000 mm</td>
<td>1,500 mm</td>
<td>11 mm</td>
<td>14 mm</td>
</tr>
<tr>
<td>Power</td>
<td>2,000 mm</td>
<td>1,500 mm</td>
<td>13 mm</td>
<td>15 mm</td>
</tr>
</tbody>
</table>

Small Luminous Panels

The smallest possible size for the Luminous Panel is 80 x 600 mm. For such small dimensions illumination from one side, i.e. with one LED strip, is perfectly sufficient. The maximum height for panels illuminated from one side is approx. 750 mm.

Special shapes

Special shapes could be round or oval panels or even free shapes. Nearly every shape can be custom-made in the Basic version. Please check in advance with our sales team if your desired shape is feasible.

Double-sided illumination (no rear panel)

Direction signs — e.g. in the form of pictograms in airports or galleries — are often illuminated on both sides, shining towards the surface. For these and similar applications the Luminous Panel can be supplied without reflecting rear panel.

Opal/translucent cover

An opal front panel can be supplied when the Luminous Panel is to be used as a luminaire with a high-class visible surface. The 3 mm transparent panel can be used as a carrier for self-adhesive vinyl lettering and graphics.

Lead-throughs, openings and cut-outs

A variety of openings (e.g. for screwed connections), cut-outs (e.g. for switches) or lateral recesses (e.g. to avoid an existing strut or bracing) can be machined into the Luminous Panel.

CUSTOM DIMENSIONS

The Hansen Luminous Panel is made to customer specification only. The smallest possible size is 80 x 600 mm, the largest is 1,500 x 3,000 mm (Basic version). Within these dimensions any size can be supplied.

Max. size: The Luminous Panel can be produced with a maximum height of 1,500 mm. This is the distance between the LED-illuminated edges. The light distribution over the surface area is very uniform. The maximum possible width is 3,000 mm for the Basic version and 2,000 mm for the Power version. Other dimensions are possible on request.

Maximum size: The Luminous Panel can be produced with a maximum height of 1,500 mm. This is the distance between the LED-illuminated edges. The light distribution over the surface area is very uniform. The maximum possible width is 3,000 mm for the Basic version and 2,000 mm for the Power version. Other dimensions are possible on request.

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Lead-throughs, openings and cut-outs

A variety of openings (e.g. for screwed connections), cut-outs (e.g. for switches) or lateral recesses (e.g. to avoid an existing strut or bracing) can be machined into the Luminous Panel.
**Luminous Panel**

The **hansen Luminous Panel** is a very flat, large-surface luminaire for built-in purposes. The **Basic** and **Eco versions** are suitable for both indoor and outdoor installation, whereas the **Slim** and **Power versions** are suitable for indoor use only.

**Typical applications**
- Lighting element for walls and ceilings
- Glimmer-free wall luminaires for kitchens and bathrooms
- Illumination of decorative glass elements
- Backlighting of art objects, acrylic or textiles
- Illumination of flat light boxes
- Light for traffic signs, pictograms, directions signs

**Advantages at a glance**
- Custom dimensions: The Luminous Panel can be made to customer specification only. Additional features (e.g. round or oval shapes, rounded corners, cut-outs, etc.) are possible as well.
- Extremely thin: The panel has an overall depth of only 80 mm in the Slim version, 11 mm in the Basic and Eco version, and 13 mm in the Power version.
- Customisable: The brightness or colour temperature of the Luminous Panel can be harmoniously dimmed with our innovative remote controls. RGB or RGBW control is also possible.
- Low energy consumption: Thanks to modern LED technology, the Luminous Panel has a very low power consumption of 25 watts per square metre, i.e. a Luminous Panel of 2 m² would have the same energy consumption as a standard candle type incandescent light bulb.
- Different colour temperatures: The Luminous Panel can be supplied with warm (2,700 K, 3,000 K), daylight-like (4,000 K, 5,000 K) or cool white light (6,500 K).
- Full dimmable: The Luminous Panel can be dimmed with an accuracy of 1%.

**Technical data for 1 m², illuminated from two sides**

- **Lighting element**
- **Light** for traffic signs, pictograms, directions signs
- **Illumination**

**Typical applications** are suitable for both indoor and outdoor installation. The Luminous Panel can also be used as a luminaire with a high-class visible surface. The 3 mm transparent pane can be used as a carrier for self-adhesive vinyl lettering and graphics.

**Maximise size**

The Luminous Panel can be produced with a maximum height of 1,500 mm. This is the distance between the LED-illuminated edges. The light distribution over the surface area is very uniform. The maximum possible width is 6,000 mm for the Basic version and 2,000 mm for the Power version. Other dimensions are possible on request.

**Small Luminous Panels**

The small sizes for the Luminous Panel is 80 x 80 mm. For such small dimensions illumination from one side, i.e. with one LED strip, is perfectly sufficient. The maximum height for panels illuminated from one side is approx. 750 mm.

**Special shapes**

Special shapes could be round or oval panels or even free shapes. Nearly every shape can be custom-made in the Basic version. Please check in advance with our sales teams if your desired shape is feasible.

**Double-sided illumination (no rear panel)**

Direction signs – e.g. in the form of pickgroms in airports or galleries – are often illuminated on both sides, shining towards the viewer. For these and similar applications the Luminous Panel can be supplied without reflecting rear panel.

**Opal/translucent cover**

An opal front pane can be supplied when the Luminous Panel is to be used as a luminaire with a high-class visible surface. The 3 mm transparent pane can be used as a carrier for self-adhesive vinyl lettering and graphics.

**Lead-throughs, openings and cut-outs**

A variety of openings (e.g. for screwed connections), cut-outs (e.g. for switches) or lateral recesses (e.g. to avoid an existing strut or bracing) can be machined into the Luminous Panel.
**Luminous Panel**

The HANSEN Luminous Panel is a very flat, large-surface luminaire for built-in purposes. The Basic and Eco versions are suitable for both indoor and outdoor installation, whereas the Slim and Power versions are suitable for indoor use only.

**Typical applications**
- Lighting element for walls and ceilings
- Glimmer-free wall luminaires for kitchens and bathrooms
- Illumination of decorative glass elements
- Backlighting of artificial stones, acrylic or textiles
- Illumination of flat-light boxes

**Light for traffic signs, pictograms, directions signs**

**Double-sided illumination of signs and boxes**

**Recessed luminaires** are possible as well.

The Luminous Panel can also be fitted with coloured or RGB(W) LEDs allowing the generation of daylight scenarios.

**Advantages at a glance**
- **Custom dimensions:** The Luminous Panel is made to customer specification only. Additional features (e.g. round or oval shapes, rounded corners, cut-outs) etc. are possible as well.
- **Extremely thin:** The panel has an overall depth of only 3 mm in the Slim version, 11 mm in the Basic and Eco version, and 13 mm in the Power version.
- **Continuous lighting:** The brightness or colour temperature of the Luminous Panel can be continuously dimmed with our innovative remote controls. RGB or RGBW control is also possible.
- **Low energy consumption:** Thanks to modern LED technology, the Luminous Panel has a very low power consumption of 25 watts per square metre, i.e. an Luminous Panel of 2 m² would have the same energy consumption of 25 watts per square metre, i.e. a typical luminous flux of 1,400 lm / 700 lm for walls and ceilings.

**Technical data for 1 m, illuminated from two sides**

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<thead>
<tr>
<th>Version</th>
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<tr>
<td><strong>Slim</strong></td>
<td>8 mm</td>
<td>1,200 mm</td>
<td>8 mm</td>
<td>25 W</td>
<td>1,400 lm / 700 lm</td>
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**Maximise size**

The Luminous Panel can be produced with a maximum height of 1,500 mm. This is the distance between the LED-illuminated edges. The light distribution over the surface area is very uniform. The maximum possible width is 3,000 mm for the Basic version and 2,000 mm for the Power version. Other dimensions are possible on request.

**Small Luminous Panels**

The smallest possible size for the Luminous Panel is 80 x 80 mm. For such small dimensions illumination from one side, i.e. with one LED strip, is perfectly sufficient. The maximum height for panels illuminated from one side is approx. 750 mm.

**Special shapes**

Special shapes could be round or oval panels or even free shapes. Nearly every shape can be custom-made in the Basic version. Please check in advance with our sales team if your desired shape is feasible.

**Double-sided illumination (no rear panel)**

Direction signs – e.g. in the form of pictograms in airports or galleries – are often illuminated on both sides, shining towards the front and rear. For these and similar applications the Luminous Panel can be supplied without reflecting rear panel.

**Opal/translucent cover**

An opal front panel can be supplied when the Luminous Panel is to be used as a luminaire with a high-class indoor surface. The 3 mm transparent pane can be used as a carrier for self-adhesive vinyl lettering and graphics.

**Lead-throughs, openings and cut-outs**

A variety of options are available, e.g. for screwed connections, cut-outs (e.g. for switches) or lateral recesses (e.g. to avoid an existing strut or bracing) can be machined into the Luminous Panel.

**Further details and up-to-date data sheets of the Luminous Panel please visit:** www.hansen-led.com

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**Available versions of the Luminous Panel**

- **Slim**
  - Overall depth: 8 mm
  - Wattage: 25 W
  - Typical luminous flux: 1,400 lm
- **Basic**
  - Overall depth: 11 mm
  - Wattage: 25 W
  - Typical luminous flux: 1,400 lm
- **Eco**
  - Overall depth: 13 mm
  - Wattage: 25 W
  - Typical luminous flux: 1,400 lm

**W-W**

- **for warm/cool white light version**
  - Wattage: approx. 25 W (same as Basic version)
  - Overall depth: 13 mm
  - Colour temperatures: continuously variable between 2,700 K and 3,500 K
  - Typical luminous flux: 1,400 lm
  - Indoor operation: parallel connection (12 V)
  - Radio-controllable with receiver 2001FA
  - Operation with hand-held transmitter or wall-mount transmitter

**RGBW**

- **for colour changing effects**
  - Wattage: 30 W (RGB) / 40 W (RGBW)
  - Overall depth: 15 mm (RGB) / 13 mm (RGBW)
  - Lights colours: RGBW
  - Indoor operation: parallel connection (12 V)
  - Radio-controllable with receiver 1000FA
  - Operation with hand-held transmitter or wall-mount transmitter

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**Please note:** Different EULUMDAT files are available on our website for a more accurate calculation of the luminous flux.

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**Recommendation for uniform illumination:**

- Min. 600 mm (3 mm)
- Max. 1,500 mm / 2,000 mm (3 mm)
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The motif can be exchanged as desired, and the following mounting options are available:

- Wall mounting with mounting profile
- Suspended mounting from ceiling with Reutlinger cable holder system
- Suspended mounting in shop window with Reutlinger cable holder system

The frame can be combined with Luminous Panels of all power classes. The 20 mm Aluminium Frame is suitable for indoor use only. The frame is available with a maximum overall width of 3,000 mm and a maximum overall height of 1,500 mm (however, the sum of height + width must not exceed 3,500 mm).

Please contact our sales team for further advice.

30 mm Magnetic Frame

The Magnetic Frame fits all Hansen Luminous Panels. The frame and the acrylic glass protect the motif, which is attractively illuminated by the Luminous Panel.

The frame can be combined with our 12 V or 24 V Luminous Panels, which can be illuminated from one, two or four sides with Standard PLUS LEDs spaced at 15 mm intervals. Other LED types and spacings are available on request. The Magnetic Frame is suitable for indoor use only.

Frame sizes from 200 x 200 mm to 1,100 x 2,400 mm allow a variety of individual designs. Customized solutions are possible as well.
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Global Distribution Office

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www.hansen-led.com

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... providing light in slices

Made in Germany

Low weight
Extremely thin design
Custom shapes and sizes

Since 1984

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